818 833 5080

In the Claims:

- 1. 268. (Cancelled)
- 269. (Currently Amended) A visual prosthesis comprising:
- an internal electronics unit, implanted suitable for implantation within a living body, at least a portion of said internal electronics unit is formed within a biocompatible hermetic package; and
- a plurality of electrodes driven by said internal electronics unit suitable for stimulating visual neurons to create a perception of a visual image.
- 270. (Previously Presented) The visual prosthesis according to claim 269, wherein said biocompatible hermetic package is a hermetic box.
- (Previously Presented) The visual prosthesis according to claim 270, wherein said 271. hermetic box includes a metal portion and a ceramic portion.
- (Currently Amended) The visual prosthesis according to claim 271, wherein said metal portion is braised to said ceramic portionfurther comprising a braised joint between said metal portion and said ceramic portion.
- 273. (Currently Amended) The visual prosthesis according to claim 269271, further comprising a flip chip electrically connected to feed throughs in a said ceramic portion.
- (Currently Amended) The visual prosthesis according to claim 271, wherein said 274. metal portion includes a metal ring braised to said ceramic portion and a metal lid welded to said metal ring271, wherein said metal portion comprises a metal sidewall joined with a metal top by a weld joint.
- 275. (Withdrawn) The visual prosthesis according to claim 269, wherein said biocompatible hermetic package is a thin film.

Serial No. 09/976,799

- 276. (Previously Presented) The visual prosthesis according to claim 269, wherein said biocompatible hermetic package is partially a thin film and partially a hermetic box.
- 277. (Currently Amended) The visual prosthesis according to claim 2751, wherein said biocompatible hermetic package is a thin film is a diamond coating.
- 278. (Withdrawn) The visual prosthesis according to claim 275, wherein said thin film is aluminum oxide.
- 279. (Withdrawn) The visual prosthesis according to claim 275, wherein said thin film is zirconium oxide.
- 280. (Withdrawn) The visual prosthesis according to claim 275, wherein said thin film is selected from the group consisting of titanium oxide, tantalum oxide and aluminum nitride.
- 281. (Withdrawn) The visual prosthesis according to claim 275, wherein said thin film is selected from the group consisting silicon oxide, silicon nitride, and silicon carbide.
- 282. (Withdrawn) The visual prosthesis according to claim 275, wherein said thin film is applied by ion-beam assisted deposition.
- 283. (Currently Amended) A visual prosthesis comprising:
 a plurality of electrodes <u>suitable for stimulating a retina</u>; and
 an internal electronics device controlling said plurality of electrodes and <u>positioned suitable for</u>
 positioning within a vitreous humor, but distant from a retina.
- 284. (Currently Amended) The visual prosthesis according to claim 283, wherein said internal electronics device is suitable to be positioned in the center of the vitreous humor.

- 285. (Currently Amended) The visual prosthesis according to claim 283, further comprising a thin film hermetic diamond like coating applied to said internal electronics device.
- 286. (Withdrawn) The visual prosthesis according to claim 285, wherein said thin film is a diamond like coating.
- 287. (Withdrawn) The visual prosthesis according to claim 285, wherein said thin film is aluminum oxide.
- 288. (Withdrawn) The visual prosthesis according to claim 285, wherein said thin film is zirconium oxide.
- 289. (Currently Amended) A visual prosthesis comprising:
 an internal electronics unit, implanted-suitable for implantation within a living body in the
 vicinity of an eye, at least a portion of said internal electronics unit is formed within a
 biocompatible hermetic package; and
 a plurality of electrodes driven by said internal electronics unit suitable for stimulating a retina to
 create a perception of a visual image.
- 290. (Currently Amended) The visual prosthesis according to claim-269289, wherein said biocompatible hermetic package is a hermetic box.
- 291. (Previously Presented) The visual prosthesis according to claim 290, wherein said hermetic box includes a metal portion and a ceramic portion.
- 292. (Currently Amended) The visual prosthesis according to claim 291, wherein said metal portion is braised to said coramic portion further comprising a braised joint between said metal portion and said ceramic portion.
- 293. (Currently Amended) The visual prosthesis according to claim 289290, further comprising a flip chip electrically connected to feed throughs in a said ceramic portion.

- 294. (Currently Amended) The visual prosthesis according to claim 291, wherein said metal portion includes a metal ring braised to said coramic portion and a metal lid welded to said metal ring. 291, wherein said metal portion comprises a metal ring joined with a metal top by a weld joint.
- 295. (Currently Amended) The visual prosthesis according to claim 289, wherein said biocompatible hermetic package is a <u>diamond like</u> thin film.
- 296. (Previously Presented) The visual prosthesis according to claim 289, wherein said biocompatible hermetic package is partially a thin film and partially a hermetic box.
- 297. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is a diamond coating.
- 298. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is aluminum oxide.
- 299. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is zirconium oxide.
- 300. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is selected from the group consisting of titanium oxide, tantalum oxide and aluminum nitride.
- 301. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is selected from the group consisting silicon oxide, silicon nitride, and silicon carbide.
- 302. (Withdrawn) The visual prosthesis according to claim 295, wherein said thin film is applied by ion-beam assisted deposition.
 - 303. (Withdrawn) An implantable device comprising:

a ceramic substrate having feed throughs; and active electronics supported by said ceramic substrate and electrically coupled to said feed throughs.

- 304. (Withdrawn) The implantable device according to claim 303, wherein said active electronics is an integrated circuit.
- 305. (Withdrawn) The implantable device according to claim 303, further comprising a hermetic package wherein said ceramic substrate forms part of said hermetic package.
- 306. (Withdrawn) The implantable device according to claim 303, wherein said implantable device is part of a visual prosthesis.
- 307. (Withdrawn) The implantable device according to claim 306, wherein said visual prosthesis is a retinal prosthesis.
- 308. (Withdrawn) The implantable device according to claim 303, wherein a side of said ceramic substrate opposite said active electronics is adapted to contact tissue.
- 309. (Withdrawn) An implantable device comprising:
 a ceramic substrate having feed throughs;
 a plurality of capacitors electrically coupled to said feed throughs and supported by said ceramic substrate; and
 active electronics electrically coupled to said plurality of capacitors.
- 310. (New) A method of making an implantable device comprising: making an electronics circuit suitable for stimulating neural tissue; coating said electronic circuit with a ceramic by ion-beam assisted deposition; and electrically coupling electrodes to said electronic circuit.

- 311. (New) The method according to claim 310, wherein said step of coating comprises coating with aluminum oxide.
- 312. (New) The method according to claim 310, wherein said step of coating comprises coating with zirconium oxide.
- 313. (New) The method according to claim 310, wherein said step of coating comprises coating with a material selected from the group consisting of titanium oxide, tantalum oxide and aluminum nitride.
- 314. (New) The method according to claim 310, wherein said step of coating comprises coating with a material selected from the group consisting silicon nitride, and silicon carbide.